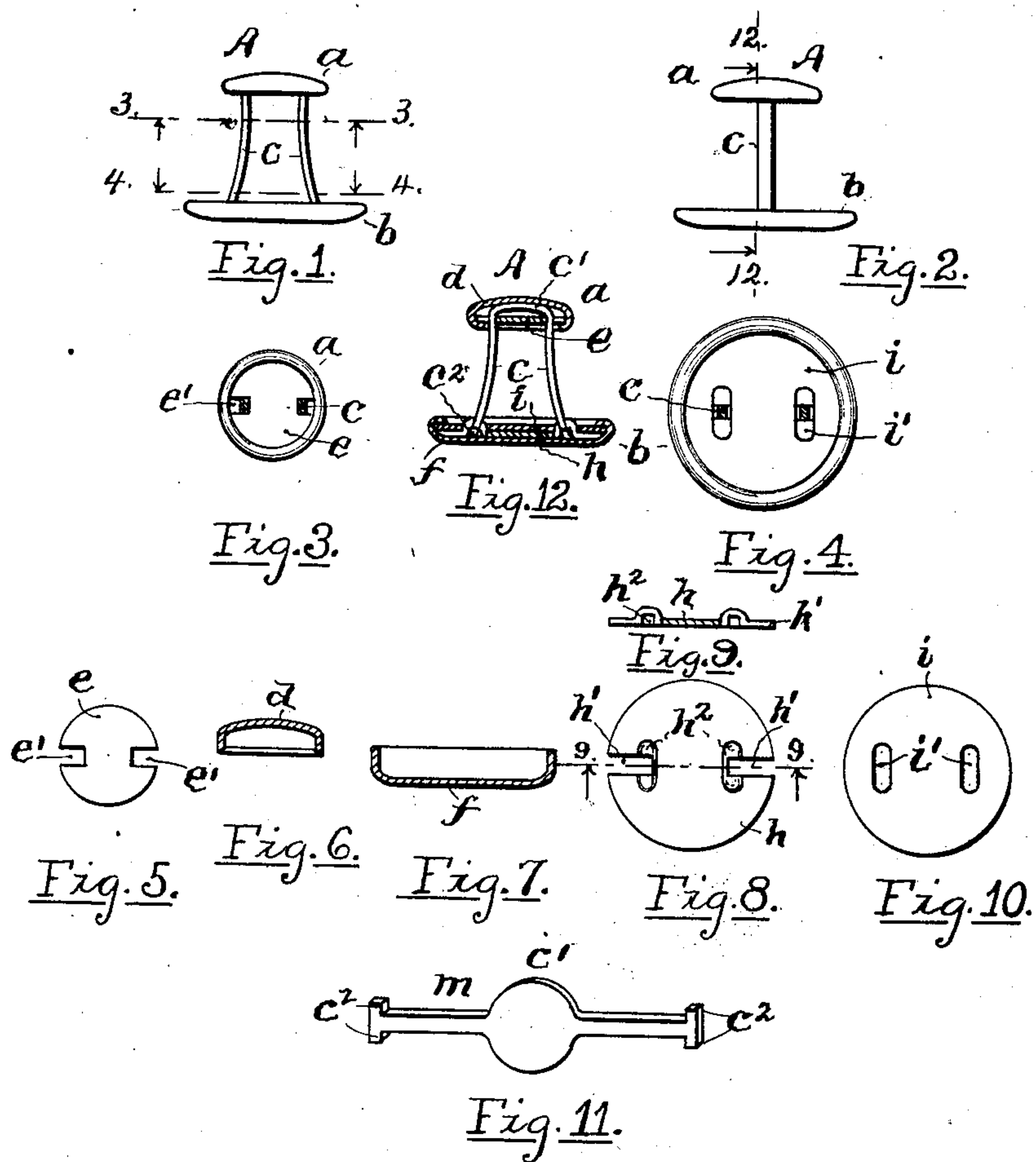


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COLLAR BUTTON.
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997,948.

Patented July 18, 1911.



WITNESSES.

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COLLAR-BUTTON.

997,948.

Specification of Letters Patent.

Patented July 18, 1911.

Application filed October 29, 1910. Serial No. 589,684.

To all whom it may concern:

Be it known that I, FRANK P. BARNEY, a citizen of the United States, residing at Chartley, in the county of Bristol and State of Massachusetts, have invented certain new and useful Improvements in Collar-Buttons, of which the following is a specification.

This invention relates to collar-buttons, and it consists in the novel construction and combination of parts comprising the same, all as more fully hereinafter set forth and claimed.

The object of the invention is to produce an improved collar-button of the non-separable, jointless or hingeless and solderless type.

The improved button, being the subject of this application for patent, is strong and light and inexpensive to manufacture, and having its shank portion or post formed from a staple-like member rigidly secured to and connecting the front and back heads of the button.

In the accompanying sheet of drawings, Figure 1 represents a front elevation of my improved collar-button. Fig. 2 is a corresponding side view. Figs. 3 and 4 are horizontal sectional views, taken on lines 3-3 and 4-4 of Fig. 1. Fig. 5 is a plan view of the back disk used in the front head. Fig. 6 is a transverse sectional view of the front head's shoe or cap. Fig. 7 is a similar view of the back head's shoe. Fig. 8 is a plan view of the inner disk used in connection with the post and back head. Fig. 9 is a sectional view of the same, taken on line 9-9 of Fig. 8. Fig. 10 is a plan view of the outer disk, adapted to be superimposed upon said inner disk. Fig. 11 is a perspective view of the unbent blank from which the post is formed; and Fig. 12 is a vertical sectional view, taken substantially on line 12-12 of Fig. 2.

My improved collar-button A consists in general of the front head a , the back head b , and the bifurcated post c , all formed from suitable thin sheet metal stock.

The post c is or may be produced from the relatively thick, flat blank member m , shown in Fig. 11; the same, when bent, having a staple-like form; its two laterally separated legs extend downward at substantially right angles from the center connecting tie or arch c^1 (Fig. 12) and terminate

each in oppositely disposed lugs c^2 , thus forming a T-shaped end. The legs may be slightly inclined or curved outwardly, thereby correspondingly increasing the distance between them, substantially as shown. The upper or front head a (Fig. 12) consists of the outer, cup-shaped shoe d , having the arch portion c^1 of the post c seated therein, and the thin, flat disk e , constituting the under side of the head, having oppositely cut notches e^1 in its edge, adapted to snugly receive the post's legs. As thus arranged, the arch portion of the post lies between the adjacent surfaces of the front shoe d and disk e ; all being firmly secured together by turning or rolling over the side walls of the shoe—see Figs. 3 and 12.

The bottom or back head b is usually somewhat larger than the front head; its construction, however, is substantially the same as the latter. It consists of the outer, cup-shaped shoe f , a disk h seated therein, provided with notches h^1 , constructed to receive and laterally position the lower or T-shaped end portions of the post's legs, and a cover or cap disk i superimposed upon disk h , having openings i^1 through which the legs extend. The openings i^1 of the cap-disk i are elongated, each being adapted to receive therethrough the respective upswaged portion of the disk h and also the corresponding leg of the post; all as clearly shown in Figs. 4 and 12. After the said members of the head b are thus assembled the side walls of the shoe f are rolled over in a well-known way, thereby rigidly securing the parts together—see Figs. 4 and 12. It may be stated that the presence of the disk i materially strengthens the head b , while at the same time practically concealing the notches of the disk h , thereby, too, giving to the button a more attractive and finished effect. The stock or metal at the inner or bottom end of each notch h^1 of disk h is unswaged to form transverse recesses or seats h^2 on its underside, adapted to receive the said bottom lugs c^2 of the post's legs. The form and size of the seats cross-sectionally are substantially the same as the counterpart members or lugs.

What I claim as my improvement and desire to secure by U. S. Letters Patent is:—

1. The improved non-separable, hingeless and solderless collar-button herein described, the same consisting in the combination of a

front shoe member, a one-piece post member comprising a pair of legs having their lower ends provided with lateral lugs, and an enlarged head or tie-plate interposed between
5 and connecting the opposite ends of the legs, the tie-plate being located in said shoe, a notched disk having the adjacent portion of the post's legs disposed therein, the said connecting portion of the post being located
10 between the adjacent faces of the shoe and notched disk, all being rigidly secured together by inturning the outer edge of the front or upper shoe, a bottom shoe, a disk positioned therein provided with sockets
15 having the lugs of the post legs mounted therein, and means coöperating with the bottom shoe and its disk for rigidly securing the said shoe, disk and post legs together.

2. In a collar-button, the combination
20 with front and back shoes and front and

back disks disposed in the respective shoes, of a one-piece post member consisting of a pair of laterally separated legs having a tie-plate connecting them at the upper end, the tie-plate being located between said front
25 shoe and its disk and rigidly secured to them, lugs integral with the lower end of the legs positioned between the said back shoe and back disk and interlocking with the latter, an apertured cap-disk superimposed
30 upon the back disk having the post legs extending through the disks, and means coöperating with the bottom shoe and its disks for rigidly securing them to the post legs.

In testimony whereof I have affixed my
signature in presence of two witnesses.

FRANK P. BARNEY.

Witnesses:

GEO. H. REMINGTON,
CALVIN H. BROWN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."
